

# TE-1000 Hi-Vol PAH Air Sample Data Form

Sample Information

Full Site Name: XACT-NIPSCO  
 Site Abbreviation: XAC-A-3  
 Clean Batch PUF Plug No. \_\_\_\_\_  
 Deployment No. 3  
 Clean Batch Filter No. \_\_\_\_\_ ost

Field Deployment Technician Name S. Keller  
 Setup Date/Time 4/16/21  
 Magnehelic Gauge Setpoint 41.9  
 Sample Run Date 4/18/21

$$\text{Magnehelic Gauge Setpoint} = \left( \frac{P_{amb}}{T_{amb}} * \frac{T_{std}}{P_{std}} \right) * \left[ \left( m_{hivol} * 0.225 \frac{m^3}{min} \right) + b_{hivol} \right]^2$$

$P_{amb}$  = Expected atmospheric pressure, mmHg  
 $T_{amb}$  = Expected atmospheric temperature, K  
 $m_{hivol}$  = Slope from Hi-Vol Calibration Worksheet

$T_{std}$  = Standard Temperature, 298 K  
 $P_{std}$  = Standard Pressure, 760 mmHg  
 $b_{hivol}$  = Intercept from Hi-Vol Calibration Worksheet

Field Recovery Technician Name S. Keller

Recovery Date/Time 4/19/21 14:30 LOT

	Elapsed Time
Initial	778:77
Final	802:57
Total Collection Time (min)	23:80

	Magnehelic Gauge Reading
Initial	41.9
Final	40.3
Average Reading	41.1

Sample Status: VALID VOID (circle one)

Site Observations

Run Day Temperatures: High 59 Low 37 Source: Weather Channel

Run Day Precipitation: 0

Run Day Wind/Wind Direction: WSW @ mph

Run Day Sky Cover: pt. cloudy

Unusual Events? (fires, major storms, construction, etc.): \_\_\_\_\_

Field Deployment and Recovery

Maintenance

Check all that apply.

Weekly Checks:

- ☐ Power cords/plugs ok?
- ☐ Gaskets ok?
- ☐ Shelter ok?
- ☐ Tubing ok?
- ☐ Timer ok?
- ☐ Debris removed?

Maintenance Notes:

744.9 mm Hg  
6.3°C 279.3°K

All weekly checks performed by Scott Keller [KMH 6/7/21]

Monthly Checks: (after 5<sup>th</sup> sample run of the month)

- ☐ Sampling head cleaned with Kim wipes?
- ☐ Pictures of site logbook taken?
- ☐ Completed TE-1000 One-Point Flow Check Form?
- ☐ One-point flow verification within  $\pm 10\%$  of  $Q_{Magnehelic} (0.225 \frac{m^3}{min})$ ?

O. Saphique Thomas 6/1/2021